

**REMARKS**

The title has been objected to as not being descriptive. The title has now been amended to obviate the Examiner's objection.

The abstract has been objected to due to a minor informality. Please note that the abstract has been amended to obviate the Examiner's objection.

The disclosure has been objected to due to a lack of headings for each respective section. Please note that the appropriate headings have now been incorporated into the specification.

The drawings have been objected to under 37 C.F.R.1.83(a) as not showing every feature of the invention as specified in the claims. Please note that new Figure 3 has been added to show the features which the Examiner has indicated, which has not been shown in the drawings. Please note that no new matter has been incorporated into the application.

Also, the figures are presently being amended to include proper shading and to enlarge Figure 2. Once the figure revisions have been completed, the revised figures will be filed.

Claims 13-17 have been objected to due to minor informalities. Please note that the claims have been amended to obviate the Examiner's objection.

Claims 1,2 and 7-9 have been rejected under 35 U.S.C. §103(a) as being unpatentable over Garaway, U.S. Patent No. 2,859,321 in view of Demin, U.S. Patent No. 5,252,809. Our director radiant electrocating element comprising a base plate, a first ceramic track printed on at least one face of the base plate, an electrically conductive heating track printed on the surface of the first ceramic track lying remote from the base plate. A second ceramic track printed on the heating track with the first ceramic track that surrounds the seal of the heating track and terminal

means being connected to the heating track for connecting the same to a supply of electrical power.

On the other hand, Garaway'321 provides for an electrical resistance heater designed to be mounted within a wall with a printed electrical resistance circuit completely coated with an enamel coating. The Demin'809 document discloses a panel heating element created through the layering of the insulating, conducting and protective layers. This is done by using a silk-screen process to build up the layers to match the layer below. It is not to describe the control of the geometry and shape to differ from that of the layer below or for the application of tracks. Nowhere in the Garaway document is it suggested that the layers could be applied in tracks or that it would be and teach us to do so. A person skilled in the art and having knowledge of the Garaway document would not be lead to consider the teachings of Demin. Even if you were to combine the teachings, you would not lead to the application of the ceramic coating and tracks to follow the element or that the advantages of the present invention including increased efficiency and initial stages of heating would be expected if you were to do so.

Claim 3 has been rejected under 35 U.S.C. §103(a) as being unpatentable over Garaway'321, in view of Demin'809 and further in view of Glynn, U.S. Patent No. 2,673, 142.

Claim 4 has been rejected under 35 U.S.C. §103(a) as being unpatentable over Garaway'321, in view of Demin'809 and further in view of Needham, U.S. Patent No. 2,939,807.

Claims 5, 6, 11, and 12 have been rejected under 35 U.S.C. §103(a) as being unpatentable over Garaway'321, in view of Demin'809 and further in view of Trist, U.S. Patent No. 2,495,788.

Claim 10 has been rejected under 35 U.S.C. §103(a) as being unpatentable over Garaway'321, in view of Demin'809 and further in view of Martin et al, U.S. Patent No. 3,978,315.

Claims 13 and 15 have been rejected under 35 U.S.C. §103(a) as being unpatentable over de Jenlis, U.S. Patent No. 6,125,234 in view of Garaway '321 and further in view of Demin'809.

Claims 16 and 17 have been rejected under 35 U.S.C. §103(a) as being unpatentable over de Jenlis '234, in view of Garaway'321, Demin'809 and further in view of GB199733.

As the claims are dependent upon patentable independent claims, the Applicant respectfully requests that the claim rejections be withdrawn.

In view of the foregoing, it is believed that claims 1-17 are in proper form and are considered to be patently distinguishable over the prior art of record.

The application is now considered to be in condition for allowance, and an early indication of the same is requested.

Respectfully submitted,



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